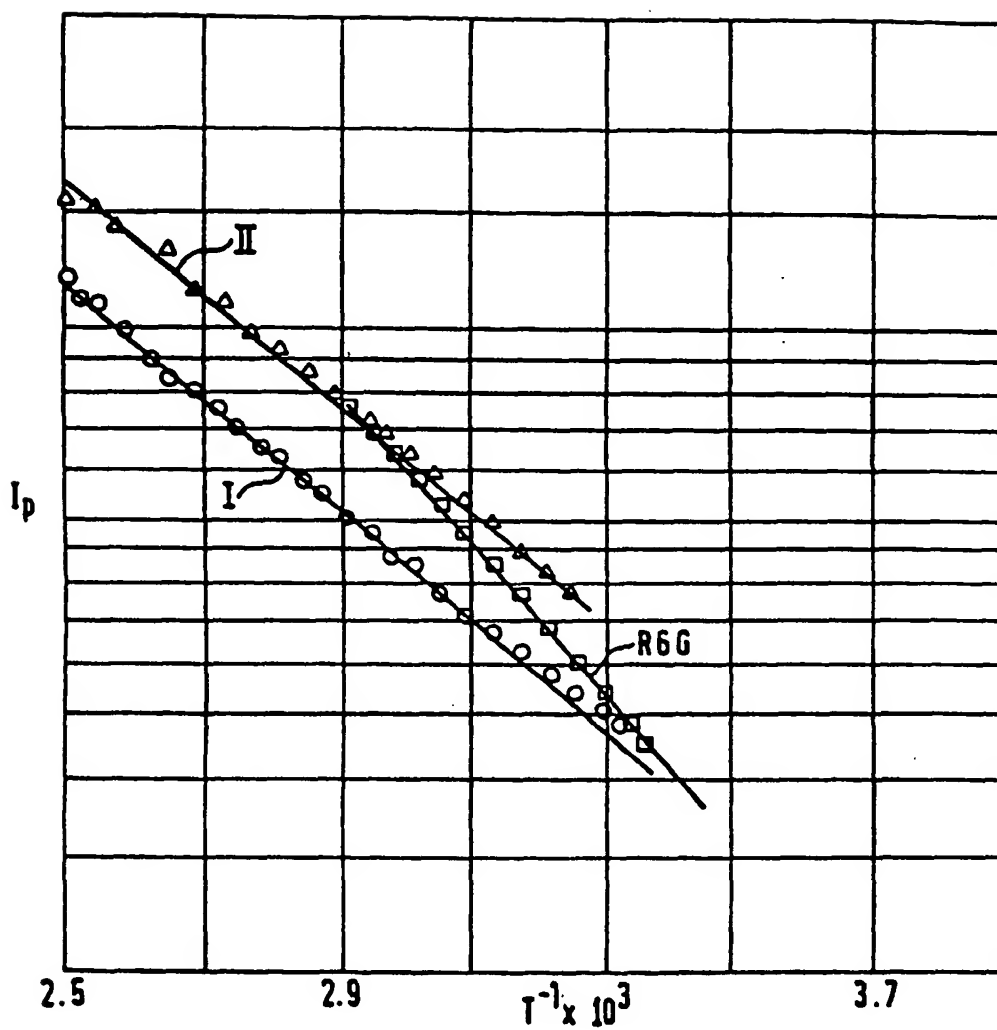


FIG.1



THERMALLY ACTIVATED FLUORESCENCE INTENSITY I_f VS. INVERSE ABSOLUTE TEMPERATURE OF DMSO SOLUTIONS OF RHODAMINE 6G AND TWO OTHER DYES

FIG.2

THERMALLY ACTIVATED FLUORESCENCE INTENSITY I_f VS. INVERSE
TEMPERATURE OF DYE IT IN POLY-A-METHYL STYRENE

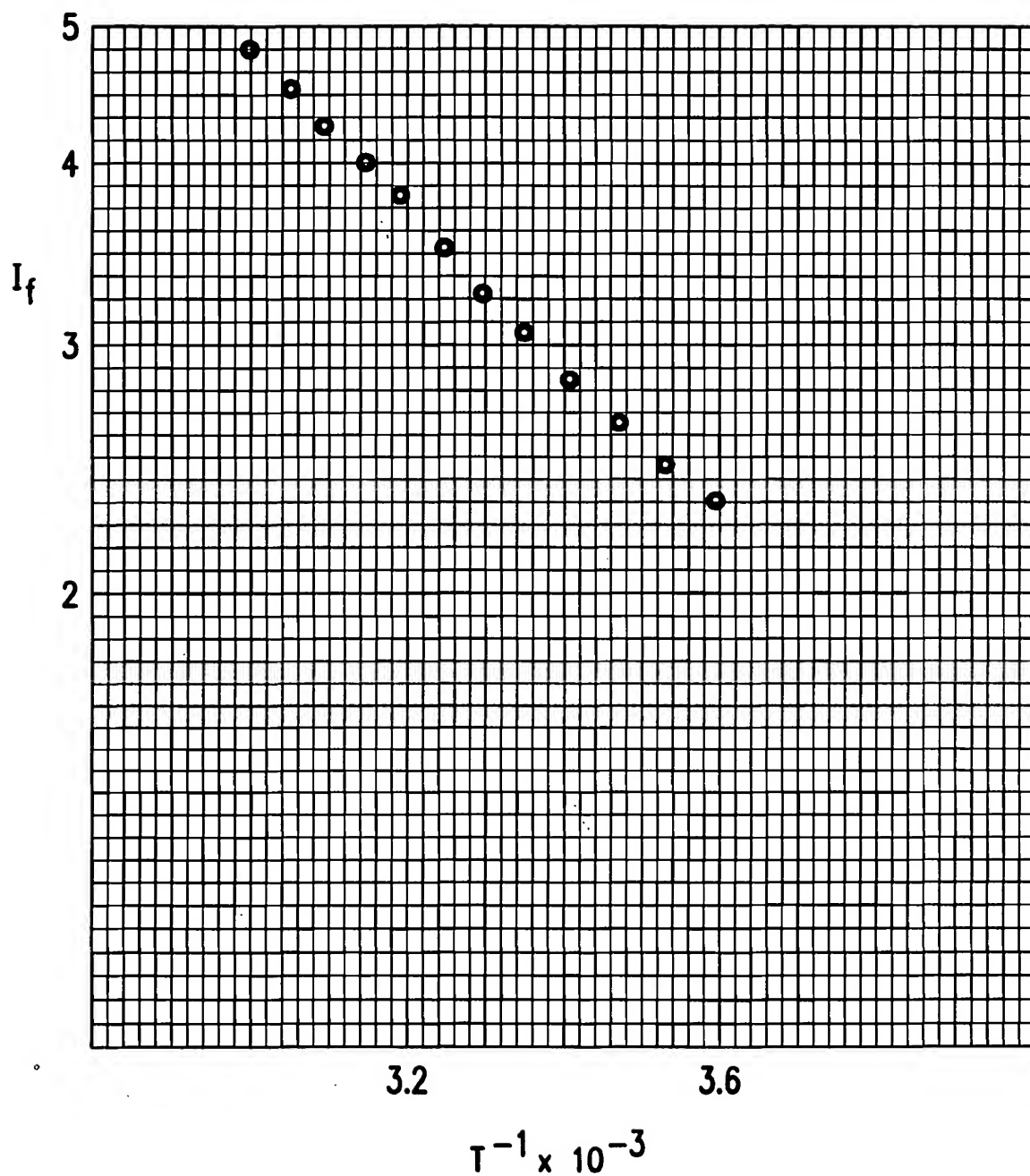


FIG.3

EFFECT OF A MAGNETIC FIELD OF 14.6 TESLA ON THE TRANSMISSION SPECTRA
OF A Nd-DOPED Ba CROWN GLASS, FOR THE ${}^4I_{9/2} \rightarrow {}^4F_{5/2}$ TRANSITION

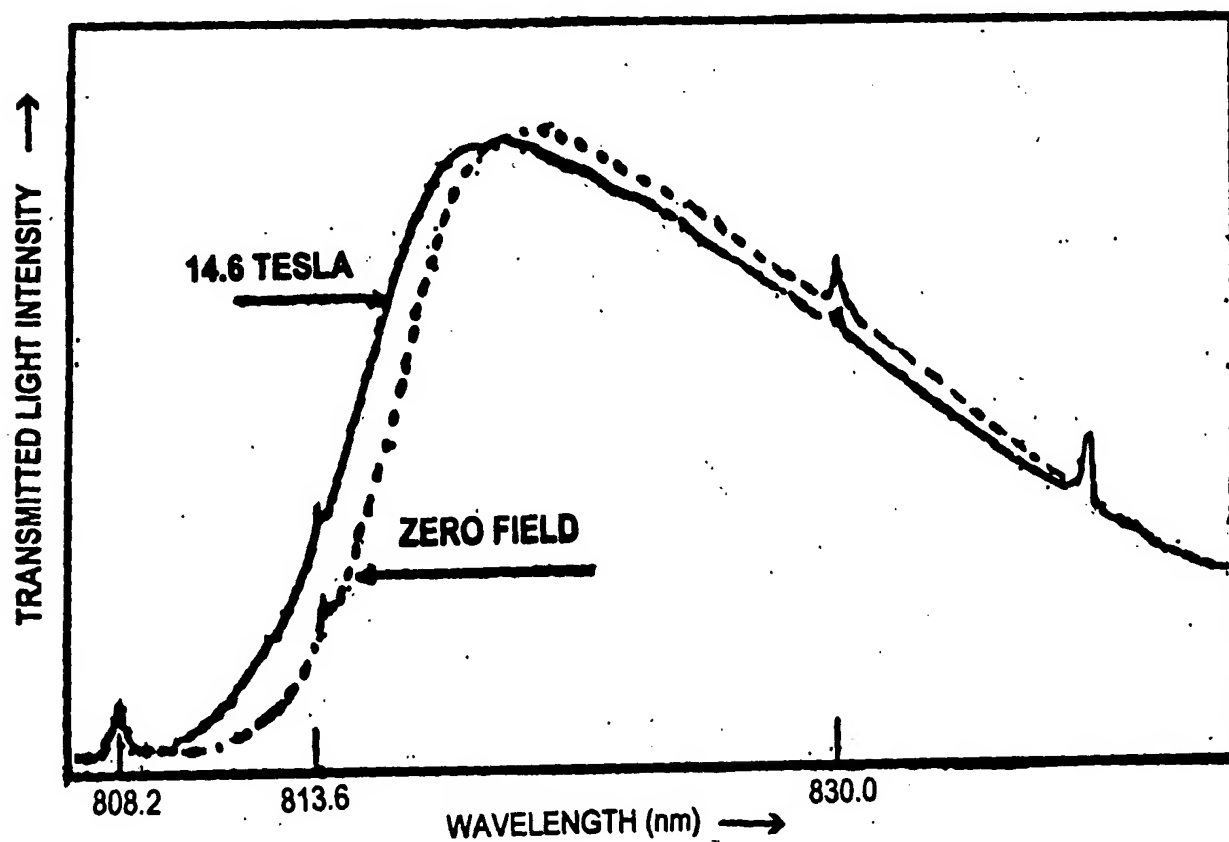


FIG. 4